

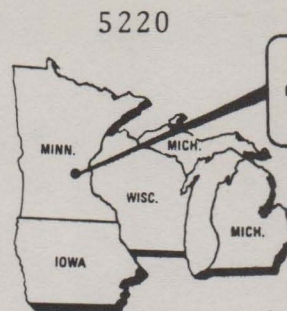
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US FOREST SERVICE
NA-S&PF FIELD OFFICE
FEDERAL BLDG. - US COURT HOUSE
316 ROBERT ST.
ST. PAUL, MINN. 56101

AERIAL SURVEY OF JACK-PINE BUDWORM
DEFOLIATION ON THE MANISTEE NATIONAL FOREST

By Glen Erickson and R. F. Fowler

INTRODUCTION

Jack-pine budworm, Choristoneura pinus pinus Freeman, defoliation in the Lower Peninsula, Michigan, has occurred periodically during the last decade. Budworm defoliation on the Forest has been reported since 1963.

METHODS

An aerial survey was flown August 4, 1969, in the Forest Service Aero-commander. Flights were in a north-south direction; in parallel lines 6 miles apart; 1000 feet above the ground; at 100 m.p.h.

Defoliation conditions were classed as follows:

- None - no visible defoliation
- Light - browning barely visible
- Moderate - browning obvious, but green foliage predominates

RESULTS

No budworm defoliation was observable from the air. During ground checks light defoliation of current shoots was observed to scattered individual and/or small groups of jack-pine in T49N, R13W.

